

Submit Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-045-26619
5. Indicate Type of Lease STATE [X] FEE []
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name BURROUGHS
8. Well Number 011
9. OGRID Number 330132
10. Pool name or Wildcat BLANCO P.C. SOUTH
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6150 GL

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)
1. Type of Well: Oil Well [] Gas Well [X] Other
2. Name of Operator MORNINGSTAR OPERATING LLC
3. Address of Operator 400 W 7TH ST, FORT WORTH, TX 76102
4. Well Location
Unit Letter B : 1080 feet from the N line and 1450 feet from the E line
Section 02 Township 26N Range 08W NMPM County SAN JUAN

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [] PLUG AND ABANDON []
TEMPORARILY ABANDON [] CHANGE PLANS []
PULL OR ALTER CASING [] MULTIPLE COMPL []
DOWNHOLE COMMINGLE []
CLOSED-LOOP SYSTEM []
OTHER: []
SUBSEQUENT REPORT OF:
REMEDIAL WORK [] ALTERING CASING []
COMMENCE DRILLING OPNS. [] P AND A [X]
CASING/CEMENT JOB []
OTHER: []

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

MorningStar Operating LLC has plugged and abandoned the Burroughs #11.

Attached are the P&A WBD, Daily and Cement Reports, and CBL.

Spud Date: 12/16/1985

Rig Release Date: 07/12/2022

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Connie Blaylock TITLE REGULATORY ANALYST DATE 07/15/2022

Type or print name CONNIE BLAYLOCK E-mail address: cblaylock@mpartners.com PHONE: 817-334-7882

For State Use Only

APPROVED BY: Monica Kuchling TITLE Deputy Oil and Gas Inspector DATE 9/23/22

Conditions of Approval (if any):

MorningStar
Operating, LLC

P&A WBD

Prepared by: JRyza
Date: 07/15/2022

KB = 10 ft
GL = 6,150 ft
API# 30-045-26619

Spud Date: 12/16/1985
Ready to Produce: 01/15/1986

Burroughs #11
San Juan County, NM

TD – 2,306 ft MD

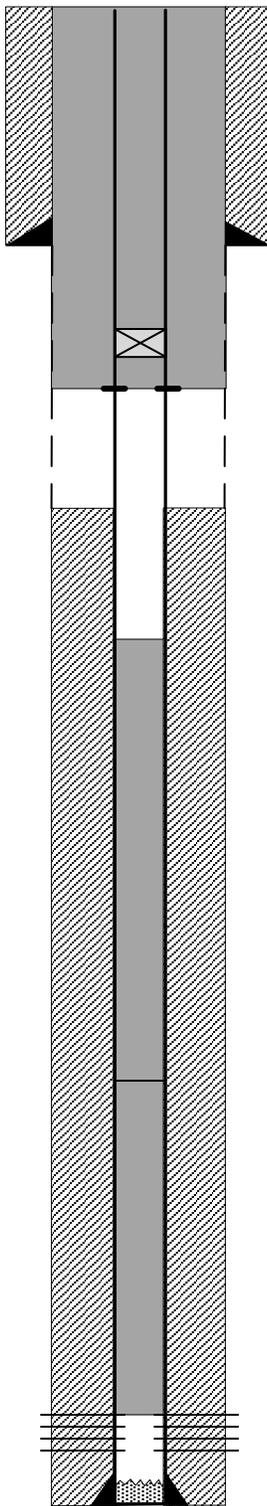
12-1/4" hole to 133'
Surface Csg: 3 jts 8-5/8" 24# H-40
Setting Depth: 133 ft

Cement
100sx Class B
Circulated cement to surface

7-7/8" & 6-3/4" hole to 2306'
Prod Csg: 71 jts 2-7/8" 6.5# J-55
Setting Depth: 2306 ft

Cement:
Lead: 225sx 65/35 Class B
Tail: 75sx 50/50 Class B
Temp survey TOC ~950'

Perfs
Pictured Cliffs:
2,188'-2,206'



PLUG 2
Perf 2-7/8" casing at 450'
Set CICR @ 400'
102 sx cement 0'-450'
Top off w/ 13 sx cmt

PLUG 1 & 1A
19 sx cement 1,306' - 2,142'

PC perfs:
2,188'-2,206'

Nacimiento – 400'
Ojo Alamo – 1,418'
Kirtland – 1,493'
Fruitland – 1,932'
Picture Cliffs – 2,182'

PBDT: 2,292 ft MD

MorningStar Operating LLC

Plug And Abandonment End Of Well Report

Burroughs #011

1080' FNL & 1450' FEL, Section 2, T26N, R8W

San Juan County, NM / API 30-045-26619

Work Summary:

- 7/6/22** Made BLM, and NMOCD P&A operations notifications at 10:00 AM MST.
- 7/7/22** MOL and R/U P&A rig. Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Waited on 1 ¼" work string. Secured and shut-in well for the day.
- 7/8/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. N/D wellhead, N/U BOP and function tested. Changed out handling equipment to accommodate 1 ¼" work string. P/U 1 ¼" work string to a depth of 2,142'. R/U cementing services. Circulated wellbore with 13 bbls of fresh water. Pumped plug #1 from 2,142'-1,800' to cover the Pictured Cliffs perforations and formation top and Fruitland formation top. TOOH. WOC 4 hours. R/U wireline services. Ran CBL from top of plug #1 at approximately 1,800' to surface. CBL results were sent to NMOCD office for review. Secured and shut-in well for the day. John Durham was NMOCD inspector on location.
- 7/11/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #1 top at 1,744'. R/U cementing services. Attempted to pressure test production casing to 800 psi in which it failed to hold pressure. Pumped plug #1 from 1,744'-1,300' to cover the Kirtland and Ojo Alamo formation tops. TOOH. WOC 4 hours. TIH and tagged plug #1 top at 1,306'. TOOH. R/U cementing services. Circulated fresh water dye down wellbore and back out Bradenhead valve at surface to determine the depth of

the hole in the casing. The hole in the casing was estimated to be at approximately 206'. R/U wireline services. RIH and perforated squeeze holes at 450'. Successfully established injection rate into perforations at 450'. Secured and shut-in well for the day. John Durham was NMOCD inspector on location.

7/12/22 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U wire line services. RIH and set CR at 400'. TIH and stung into CR at 400'. R/U cementing services. Successfully established circulation down tubing through CR at 400' and into perforations at 450' and back around and out Bradenhead valve at surface. Successfully circulated cement down tubing through CR at 400' into perforations at 450' and back around and out Bradenhead valve at surface. Stung out of CR. Pumped cement from CR at 400' to surface and out 2-7/8" casing valve. N/D BOP and cut-off wellhead. WOC 4 hours. Performed wellhead cut-off. Ran weighted tally tape down both strings of casing and tagged cement 7' down in the 8-5/8" surface casing annulus and 25' down in the 2-7/8" production casing. Ran 3/4" poly pipe down both strings of casing. R/U cementing services. Topped-off both strings of casing with 13 sx of cement. Installed P&A marker per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL. John Durham was NMOCD inspector on location.

Plug Summary:

Plug #1: (Pictured Cliffs Perforations and Formation Top, Fruitland, Kirtland, and Ojo Alamo Formation Tops 2,142'-1,306', 19 Sacks Type III Cement)

Mixed 19 sx Type III cement and spotted a balanced plug to cover the Pictured Cliffs perforations and formation top, Fruitland, Kirtland, and Ojo Alamo formation tops.

Plug #2: (Nacimiento Formation Top and Surface Casing Shoe 450'-Surface, 102 Sacks Type III Cement, 13 sx for top-off)

RIH and perforated squeeze holes at 450'. Successfully established injection rate into perforations at 450'. R/U wire line services. RIH and set CR at 400'. TIH and stung into CR at 400'. R/U cementing services. Successfully established circulation down tubing through CR at 400' and into perforations at 450' and back around and out Bradenhead valve at surface. Successfully circulated cement down tubing through CR at 400' into perforations at 450' and back around and out Bradenhead valve at surface. Stung out of CR. Pumped cement from CR at 400' to surface and out 2-7/8" casing valve. N/D

BOP and cut-off wellhead. WOC 4 hours. Performed wellhead cut-off. Ran weighted tally tape down both strings of casing and tagged cement 7' down in the 8-5/8" surface casing annulus and 25' down in the 2-7/8" production casing. Ran 3/4" poly pipe down both strings of casing. R/U cementing services. Topped-off both strings of casing with 13 sx of cement. Installed P&A marker per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL.

P & A Daily Report



Company: Morningstar Operating
 Well Name: Burroughs #011
 API #: 30-045-26619
 Date: 7/7/2022

PO Box 538 Farmington, NM 87499 505.327.7301

WORK SUMMARY

MOL and R/U P&A rig. Checked well pressures(see pressures below). Bled down well. Waited on 1-
 1/4" work string. Secured and shut-in well for the day.

PLUG SUMMARY

| <u>Plug No</u> | <u>Plug Depth</u> | <u>Sacks of Cement Used</u> |
|----------------|-------------------|-----------------------------|
| Plug 1 | To _____ | _____ |
| Plug 2 | To _____ | _____ |
| Plug 3 | To _____ | _____ |
| Plug 4 | To _____ | _____ |
| Plug 5 | To _____ | _____ |
| Plug 6 | To _____ | _____ |
| Plug 7 | To _____ | _____ |

BRIDGE PLUG/CEMENT RETAINER SUMMARY

Depth Set

WELL PRESSURES

Tubing _____ 0 psi
 Casing _____ 0 psi
 Bradenhead _____ 0 psi

P & A Daily Report



Company: Morningstar Operating
 Well Name: Burroughs #011
 API #: 30-045-26619
 Date: 7/8/2022

PO Box 538 Farmington, NM 87499 505.327.7301

WORK SUMMARY

Checked well pressures(see pressures below). Bled down well. N/D wellhead, N/U BOP and function tested. Changed out handling equipment to accomdate 1 1/4" work string. P/U 1 1/4" work string to a depth of 2,142'. R/U cementing services. Circulated wellbore with 13 bbls of fresh water. Pumped plug #1 from 2,142'-1,800' to cover the Pictured Cliffs perforations and formation top and Fruitland formation top. TOOH. WOC 4 hours. R/U wireline services. Ran CBL from top of plug #1 at approximately 1,800' to surface. CBL results were sent to NMOCD office for review. Secured and shut-in well for the day.

PLUG SUMMARY

| <u>Plug No</u> | <u>Plug Depth</u> | <u>Sacks of Cement Used</u> |
|----------------|-------------------|-----------------------------|
| Plug 1 | 2,142' To 1,800' | 8 sx Type III |
| Plug 2 | To | |
| Plug 3 | To | |
| Plug 4 | To | |
| Plug 5 | To | |
| Plug 6 | To | |
| Plug 7 | To | |

BRIDGE PLUG/CEMENT RETAINER SUMMARY

Depth Set

WELL PRESSURES

Tubing _____ 0 psi
 Casing _____ 0 psi
 Bradenhead _____ 0 psi

P & A Daily Report



Company: Morningstar Operating
 Well Name: Burroughs #011
 API #: 30-045-26619
 Date: 7/11/2022

PO Box 538 Farmington, NM 87499 505.327.7301

WORK SUMMARY

Checked well pressures(see pressures below). Bled down well. TIH and tagged plug #1 top at 1,744'. R/U cementing services. Attempted to pressure test production casing but it failed to hold pressure. Pumped plug #1 from 1,744'-1,300' to cover the Kirtland and Ojo Alamo formation tops. TOOH. WOC 4 hours. TIH and tagged plug #1 top at 1,306'. TOOH. R/U cementing services. Circulated fresh water dye down wellbore and back out Bradenhead valve at surface to determine the depth of the hole in the casing. The hole in casing was estimated to be at approximately 206'. R/U wireline services. RIH and perforated squeeze holes at 450'. Successfully established injection rate into perforations at 450'. Secured and shut-in well for the day.

PLUG SUMMARY

| <u>Plug No</u> | <u>Plug Depth</u> | <u>Sacks of Cement Used</u> |
|----------------------|-------------------|-----------------------------|
| Plug 1 <u>2,142'</u> | To <u>1,306'</u> | <u>19 sx Type III</u> |
| Plug 2 _____ | To _____ | _____ |
| Plug 3 _____ | To _____ | _____ |
| Plug 4 _____ | To _____ | _____ |
| Plug 5 _____ | To _____ | _____ |
| Plug 6 _____ | To _____ | _____ |
| Plug 7 _____ | To _____ | _____ |

BRIDGE PLUG/CEMENT RETAINER SUMMARY

Depth Set

WELL PRESSURES

Tubing _____ 0 psi
 Casing _____ 0 psi
 Bradenhead _____ 0 psi

P & A Daily Report



Company: Morningstar Operating
 Well Name: Burroughs #011
 API #: 30-045-26619
 Date: 7/12/2022

PO Box 538 Farmington, NM 87499 505.327.7301

WORK SUMMARY

Checked well pressures(see pressures below). Bled down well. R/U wireline services. RIH and set CR at 400'. TIH and stung into CR at 400'. R/U cementing services. Successfully established circulation down tubing through CR at 400' into perforations at 450' and back around and out Bradenhead valve at surface. Successfully circulated cement down tubing through CR at 400' into perforations at 450' and back around and out Bradenhead valve at surface. Stung out of CR. Pumped cement from CR at 400' to surface and out 2-7/8" casing valve. N/D BOP, N/U wellhead. WOC 4 hours. Performed wellhead cut-off. Ran weighted tally tape down both casing strings and tagged cement 7' down in 8-5/8" surface casing annulus and 25' down in 2-7/8" production casing. Ran 3/4" poly pipe down both strings of casing. R/U cementing services. Topped-off both strings of casing with 13 sx of cement. Installed P&A marker per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL.

PLUG SUMMARY

| <u>Plug No</u> | <u>Plug Depth</u> | <u>Sacks of Cement Used</u> |
|----------------------|-------------------|---|
| Plug 1 <u>2,142'</u> | To <u>1,306'</u> | <u>19 sx Type III</u> |
| Plug 2 <u>450'</u> | To <u>Surface</u> | <u>102 sx Type III(13 sx for top-off)</u> |
| Plug 3 _____ | To _____ | _____ |
| Plug 4 _____ | To _____ | _____ |
| Plug 5 _____ | To _____ | _____ |
| Plug 6 _____ | To _____ | _____ |
| Plug 7 _____ | To _____ | _____ |

BRIDGE PLUG/CEMENT RETAINER SUMMARY

Depth Set
400'

WELL PRESSURES

Tubing _____ 0 psi
 Casing _____ 0 psi
 Bradenhead _____ 0 psi



**ACOUSTIC CEMENT
BOND LOG
2-7/8"**

Company MORNINGSTAR OPERATING, LLC
Well BURROUGHS #11
Field BLANCO PC
County SAN JUAN
State NEW MEXICO

Company MORNINGSTAR OPERATING, LLC
Well BURROUGHS #11
Field BLANCO PC
County SAN JUAN State NEW MEXICO

Location: UNIT B 1080' FNL & 1450' FEL
API #: 30-045-26619

Permanent Datum GROUND LEVEL Elevation 6150
Log Measured From RKB 10' ABOVE PERM DATUM
Drilling Measured From RKB

SEC 02 TWP 26N RGE 08W

Other Services
Elevation
K.B. 6160
D.F. 6159
G.L. 6150

| | | | | | | | |
|------------------------|---------------|---------------|------|--------|--------|------|----|
| Date | 07-08-2022 | | | | | | |
| Run Number | ONE | | | | | | |
| Depth Driller | N/A | | | | | | |
| Depth Logger | N/A | | | | | | |
| Bottom Logged Interval | 1760' | | | | | | |
| Top Log Interval | SURF | | | | | | |
| Open Hole Size | N/A | | | | | | |
| Type Fluid | WATER | | | | | | |
| Density / Viscosity | N/A | | | | | | |
| Max. Recorded Temp. | N/A | | | | | | |
| Estimated Cement Top | SEE LOG | | | | | | |
| Time Well Ready | ROA | | | | | | |
| Time Logger on Bottom | 16:30 | | | | | | |
| Equipment Number | 800 | | | | | | |
| Location | FARMINGTON NM | | | | | | |
| Recorded By | S. TILLEN | | | | | | |
| Witnessed By | CARLOS | | | | | | |
| Borehole Record | | Tubing Record | | | | | |
| From Number | Bit | From | To | Size | Weight | From | To |
| Running Record | Size | Mgt/Ft | Top | Bottom | | | |
| Surface String | 8.625" | | SURF | 133' | | | |
| Production String | 2-7/8" | | SURF | 2292' | | | |

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

LOG WAS RAN ON WIRELINE MEASUREMENTS USING A 10' KB
LOG WAS RAN WITH 0 PSI ON SURFACE

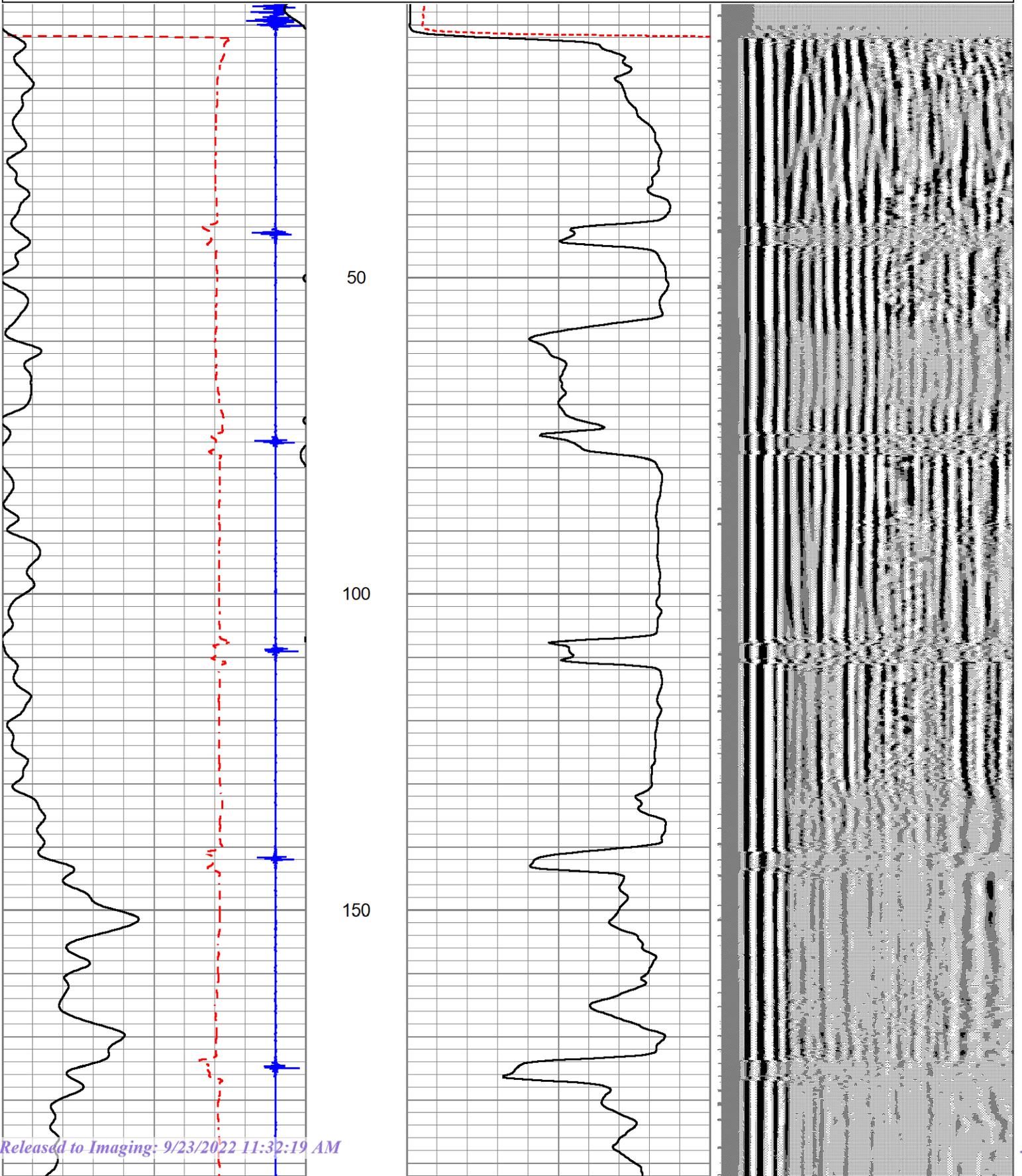


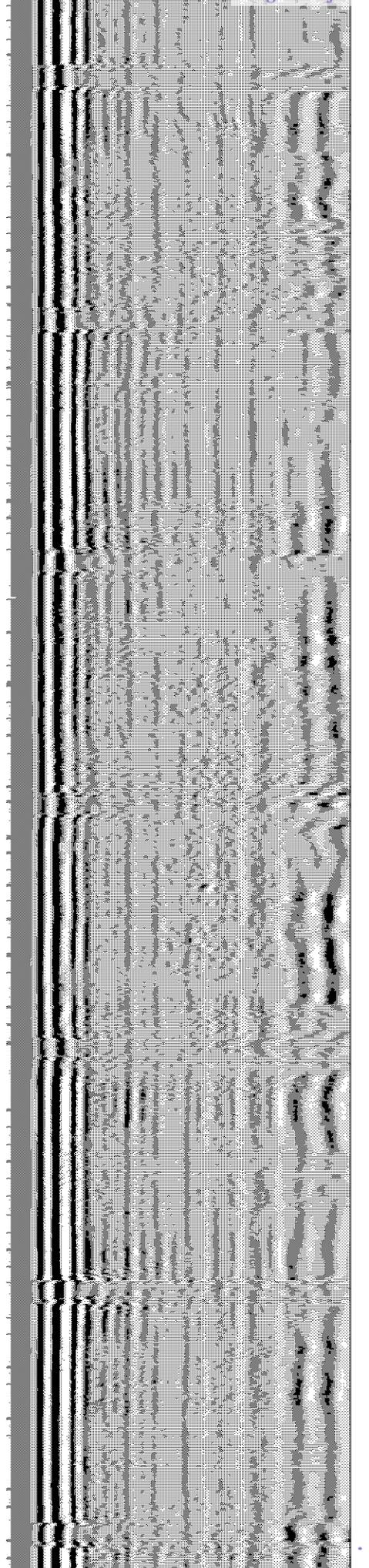
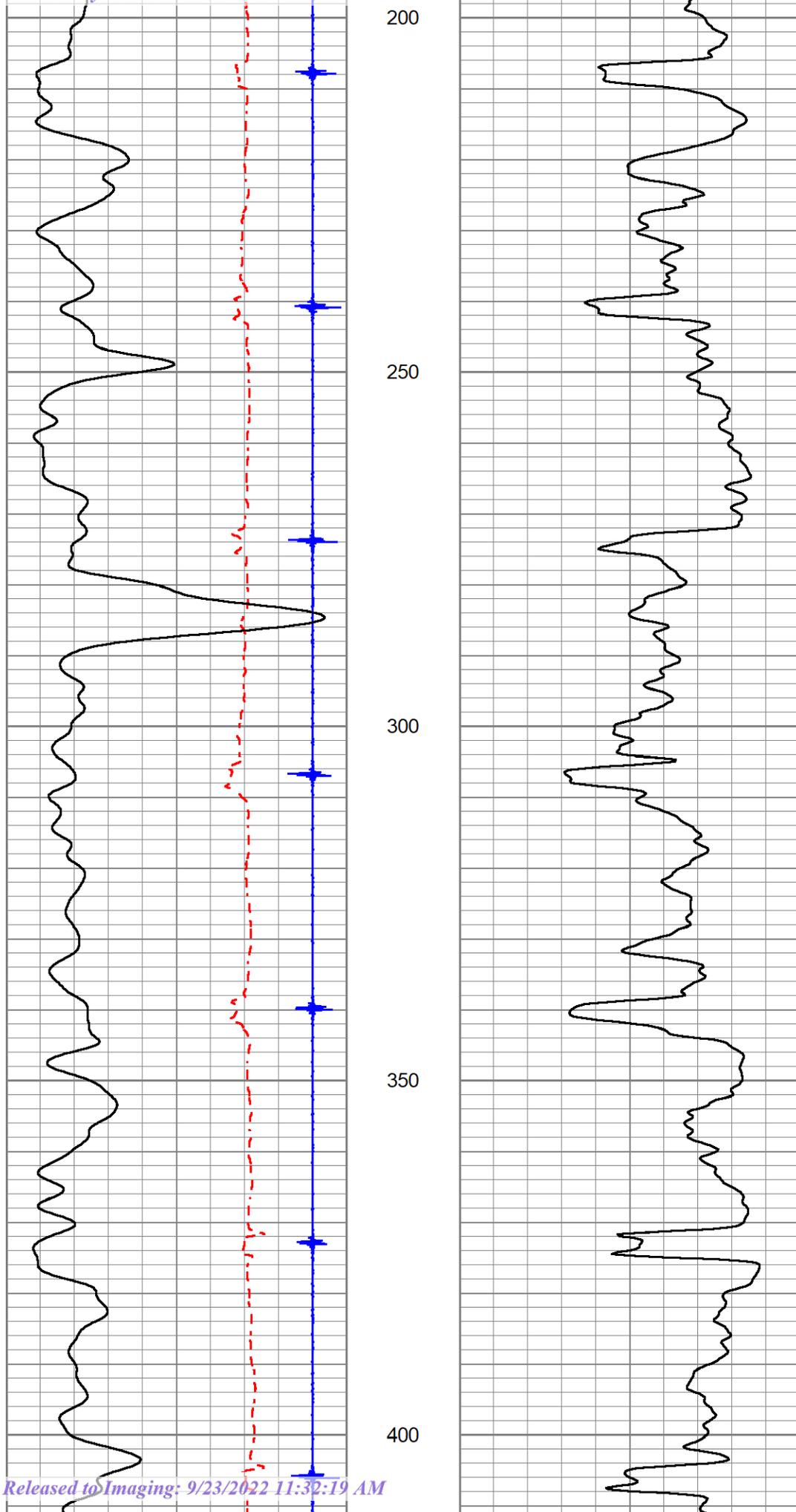
MAIN PASS

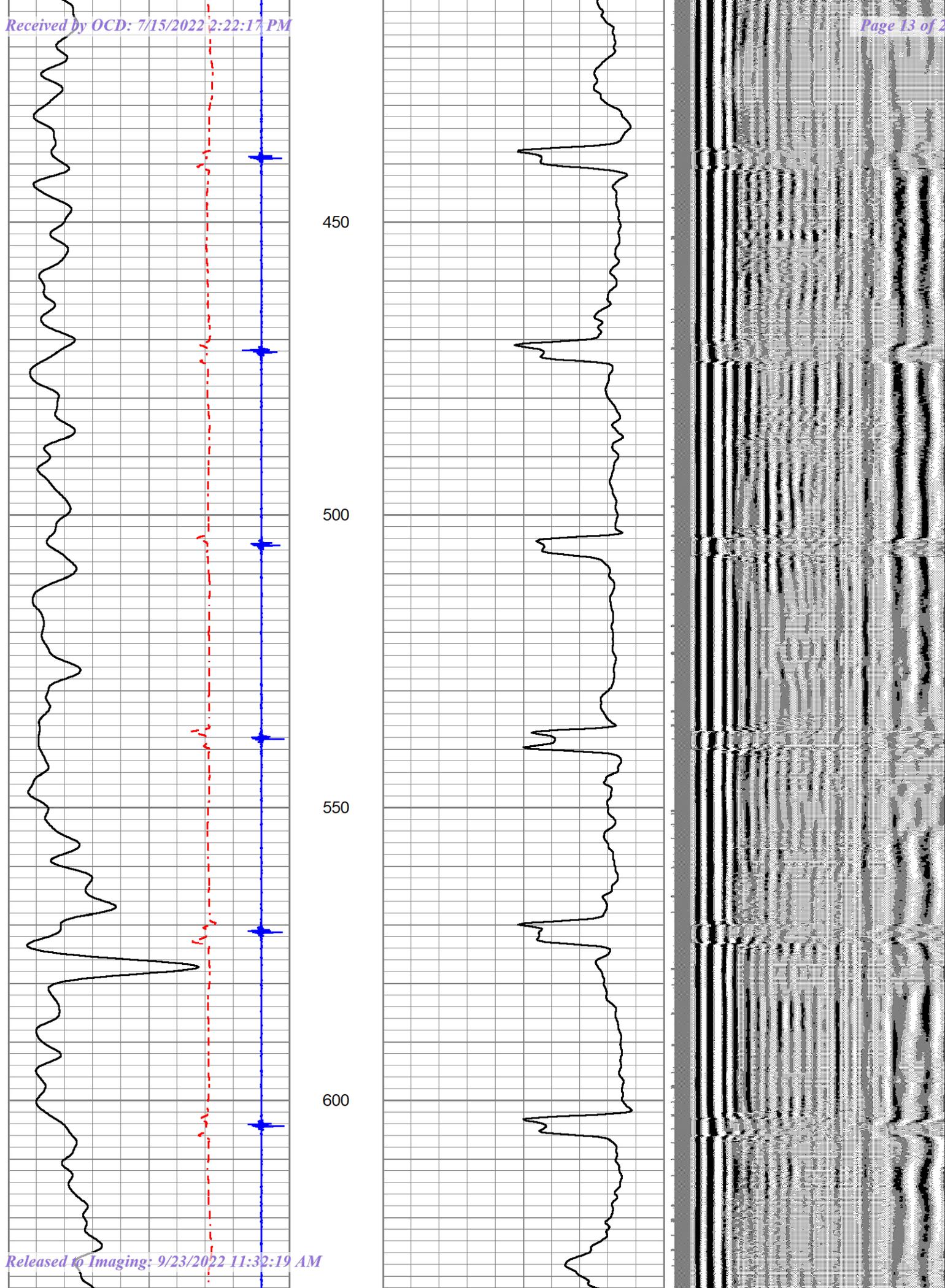
| | | |
|-----|-------------------------|-----|
| 280 | TRAVEL TIME 3 FT (usec) | 180 |
| 9 | Collar Locator | -1 |
| 0 | Gamma Ray (GAPI) | 200 |

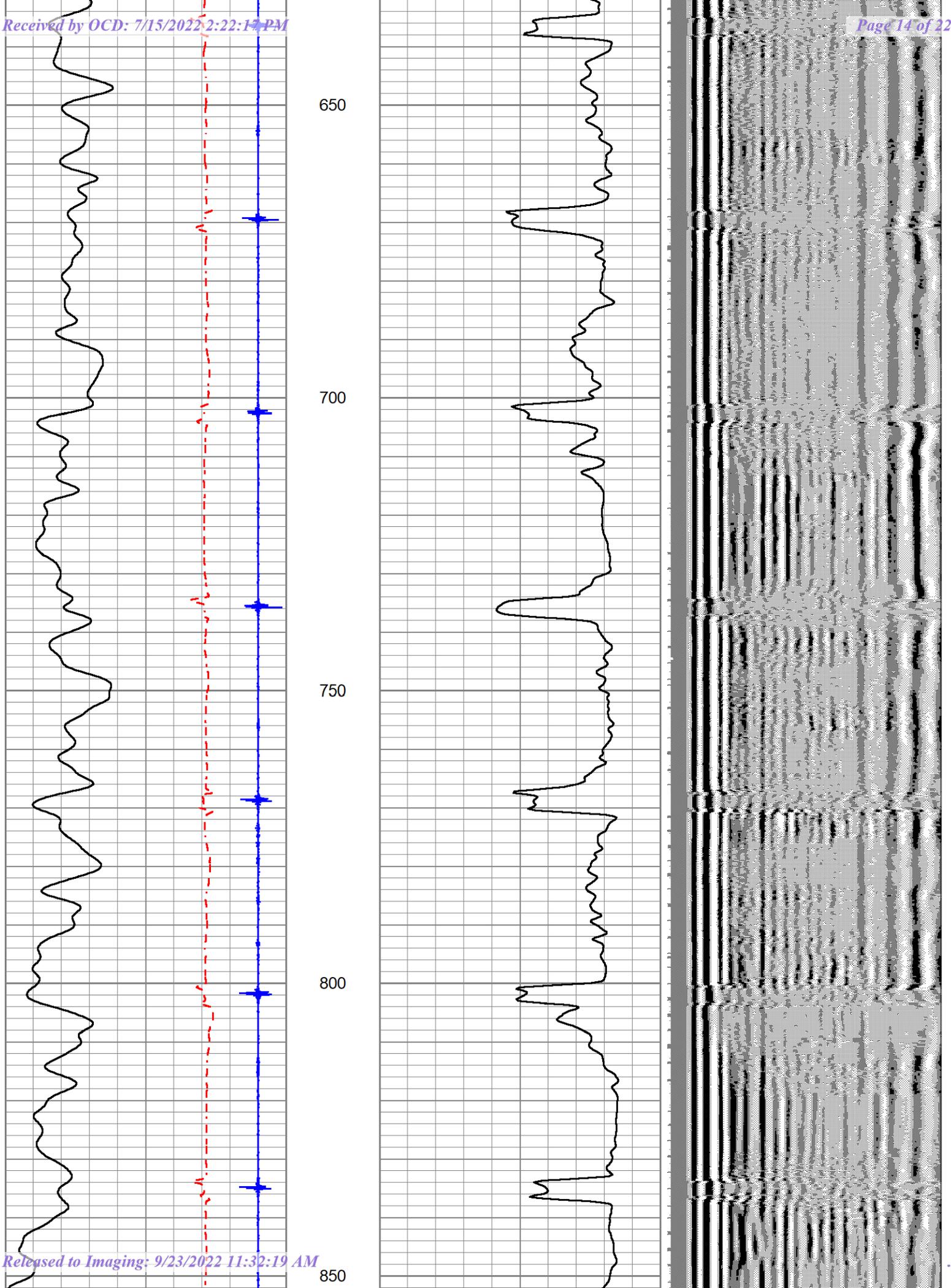
| | | |
|---|-----------------|-----|
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| 0 | Amplitude (mV) | 100 |

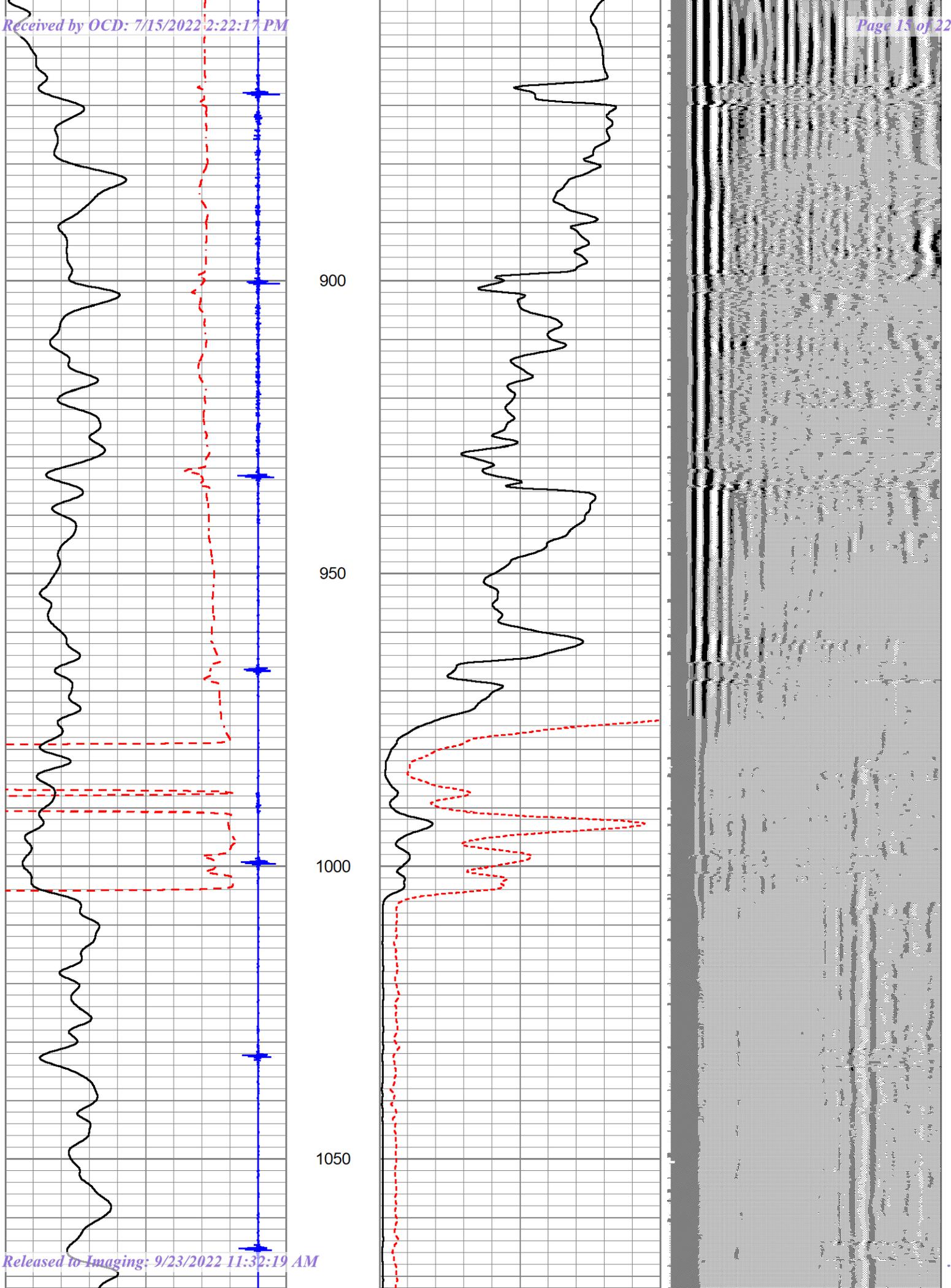
100 VDL (usec) 1100

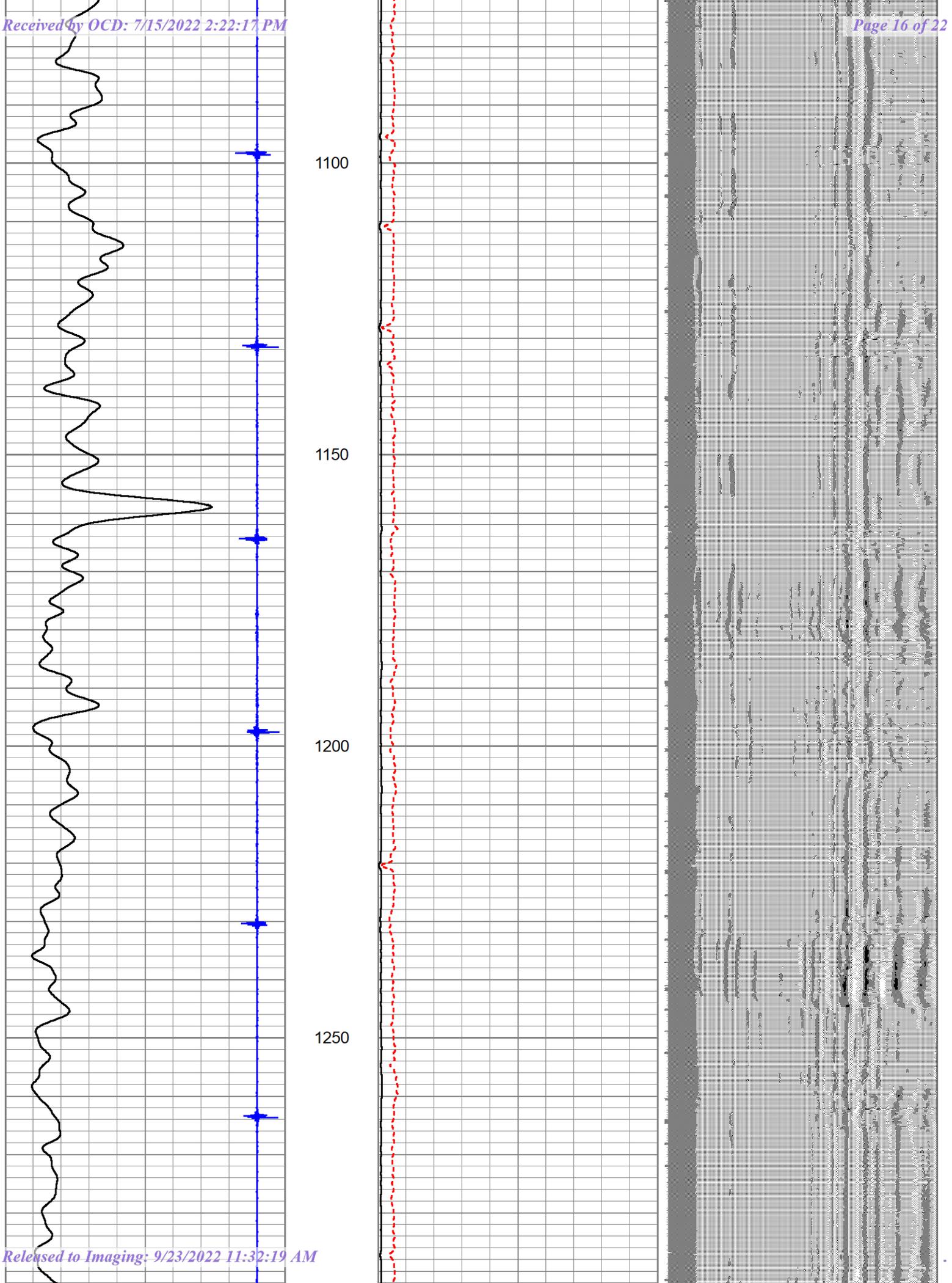


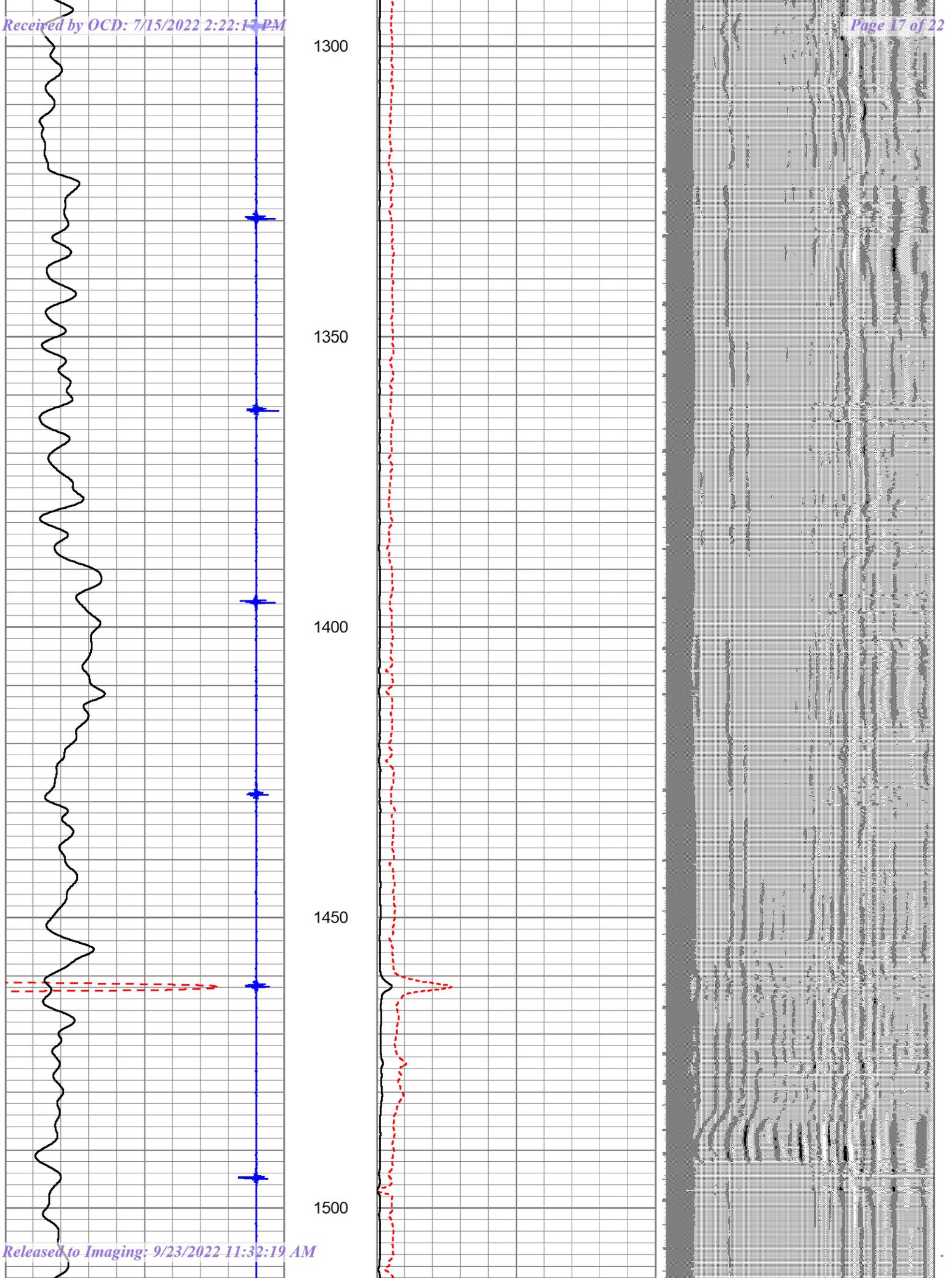


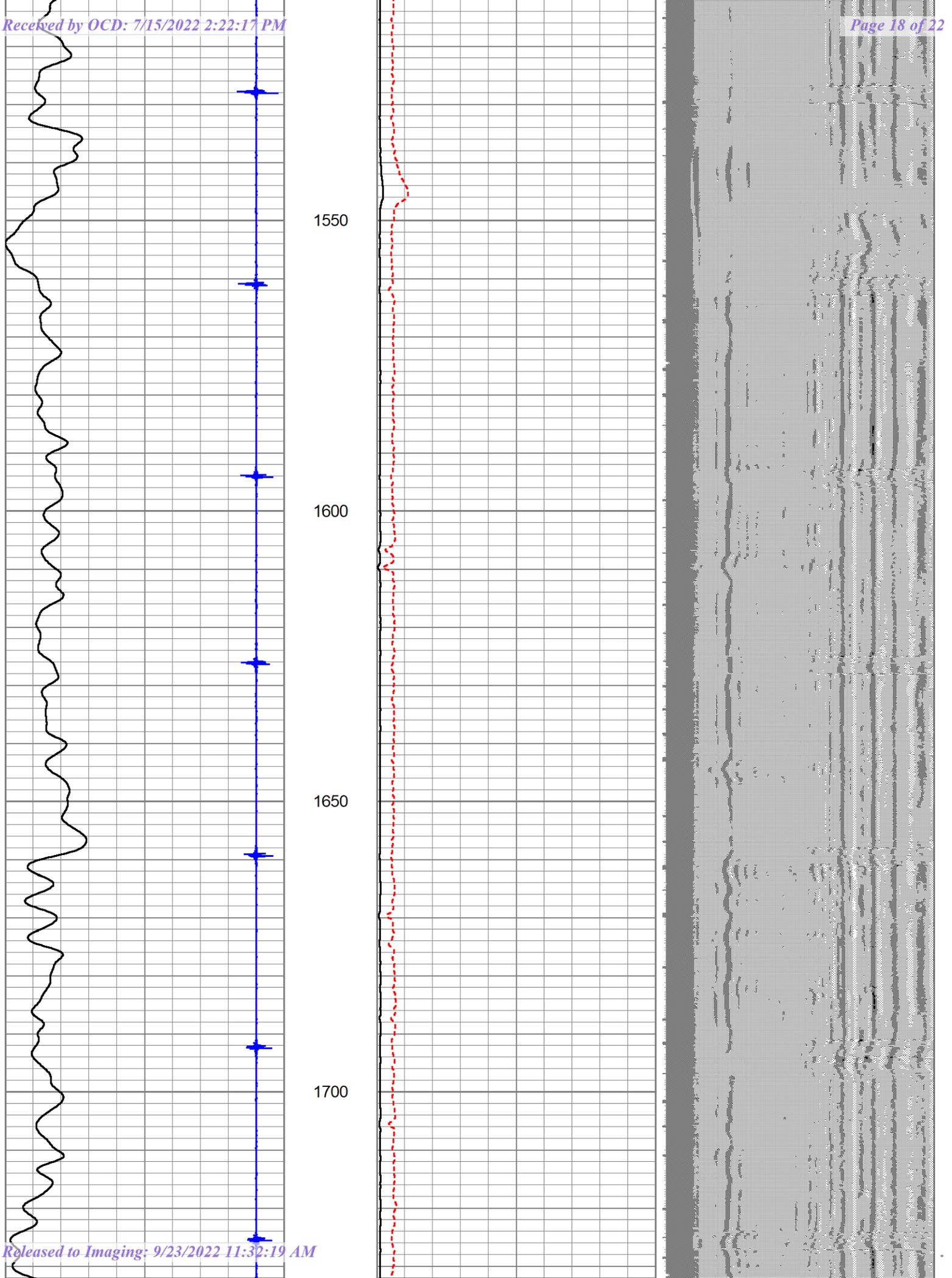












| | | |
|-----|-------------------------|-----|
| 280 | TRAVEL TIME 3 FT (usec) | 180 |
| 9 | Collar Locator | -1 |
| 0 | Gamma Ray (GAPI) | 200 |

1750

| | | | | | |
|---|-----------------|-----|-----|------------|------|
| 0 | AMP3FT X 5 (mV) | 20 | 100 | VDL (usec) | 1100 |
| 0 | Amplitude (mV) | 100 | | | |



MAIN PASS

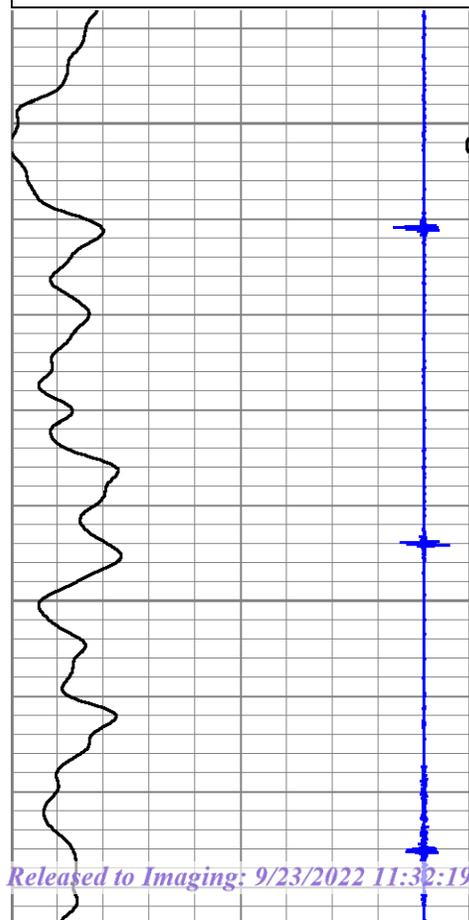


REPEAT PASS

Database File 070822drake.db
 Dataset Pathname pass2.2
 Presentation Format jwgsslim
 Dataset Creation Fri Jul 08 16:34:20 2022
 Charted by Depth in Feet scaled 1:240

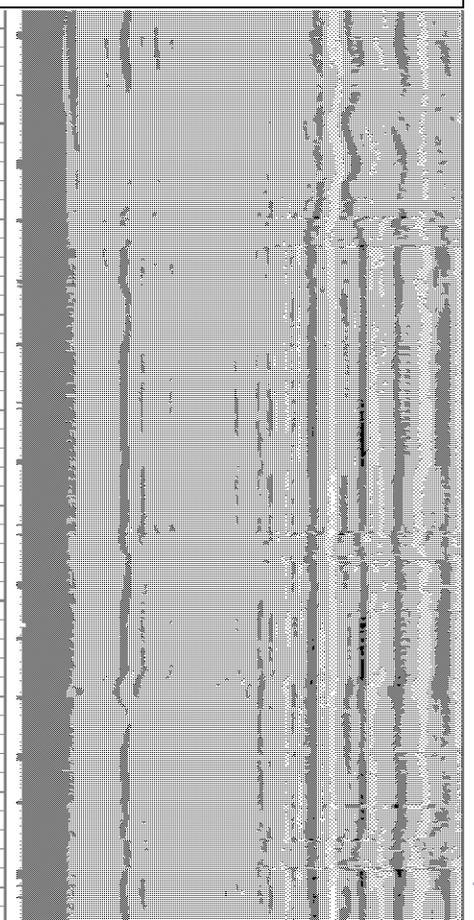
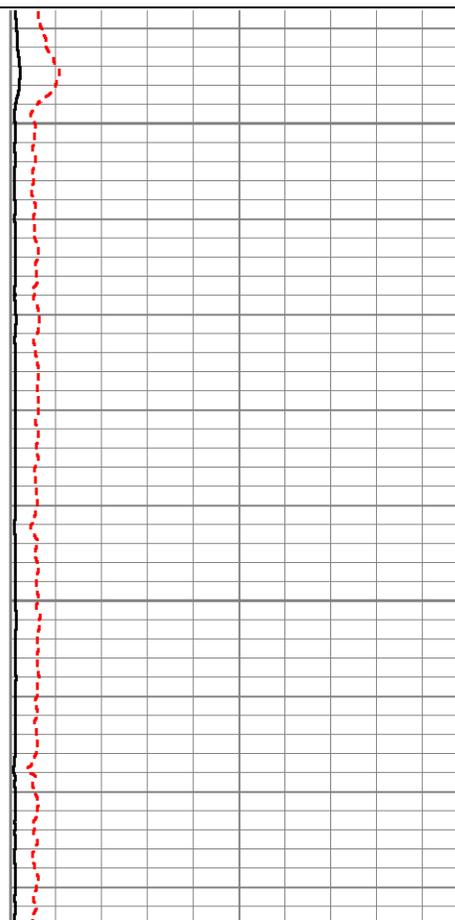
| | | |
|-----|------------------------|-----|
| 280 | TRAVEL TIME 3FT (usec) | 180 |
| 9 | Collar Locator | -1 |
| 0 | Gamma Ray (GAPI) | 200 |

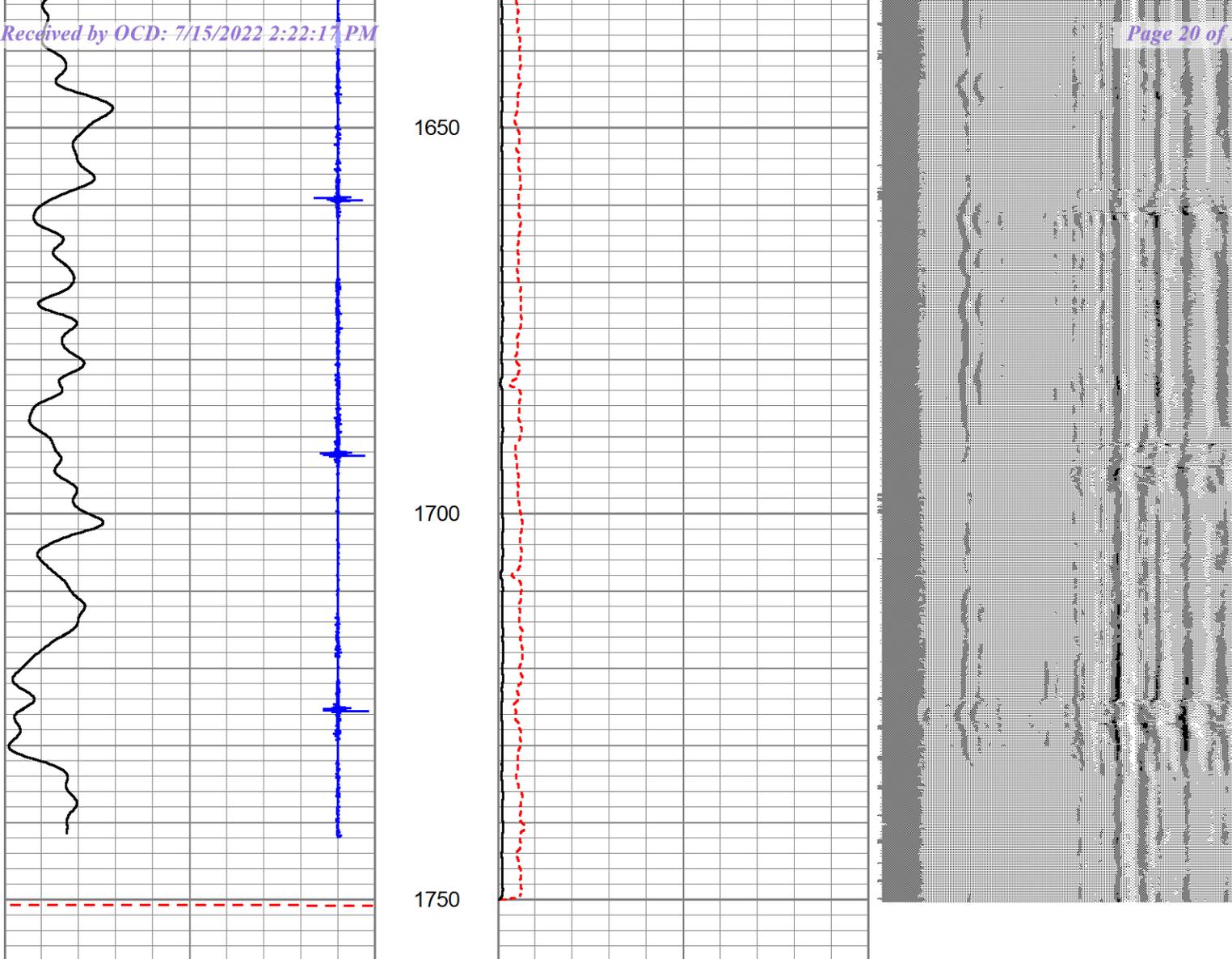
| | | | | | |
|---|-----------------|-----|-----|------------|------|
| 0 | AMP3FT X 5 (mV) | 20 | 100 | VDL (usec) | 1100 |
| 0 | Amplitude (mV) | 100 | | | |



1550

1600





| | | |
|-----|------------------------|-----|
| 280 | TRAVEL TIME 3FT (usec) | 180 |
| 9 | Collar Locator | -1 |
| 0 | Gamma Ray (GAPI) | 200 |

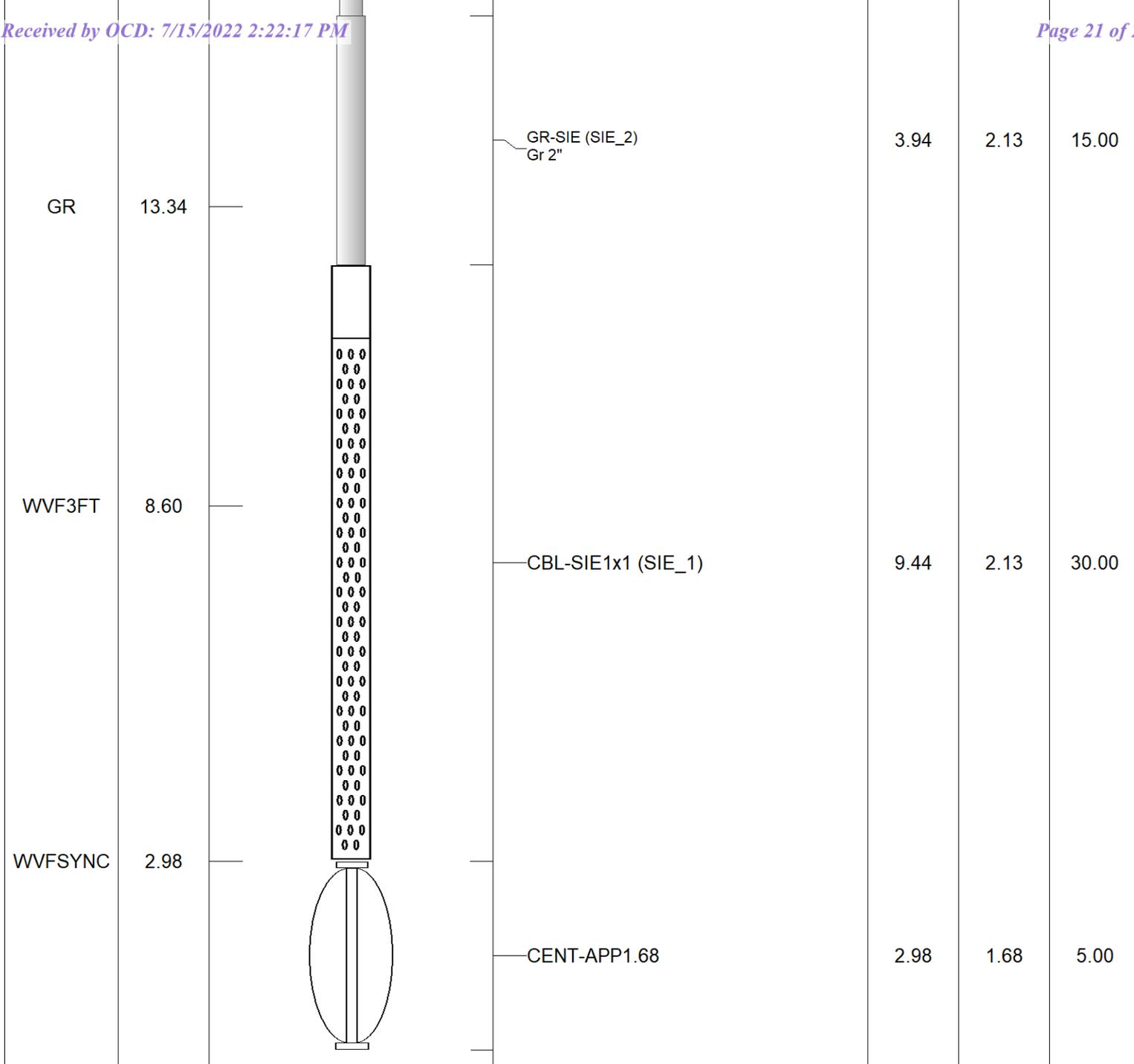
| | | |
|---|-----------------|-----|
| 0 | AMP3FT X 5 (mV) | 20 |
| 0 | Amplitude (mV) | 100 |

| | | |
|-----|------------|------|
| 100 | VDL (usec) | 1100 |
|-----|------------|------|



REPEAT PASS

| Sensor | Offset (ft) | Schematic | Description | Length (ft) | O.D. (in) | Weight (lb) |
|--------|-------------|-----------|--------------------------------|-------------|-----------|-------------|
| | | | CHD-AES (000001) Cable Head | 1.04 | 1.69 | 2.00 |
| | | | CENT-APP1.68 | 2.98 | 1.68 | 5.00 |
| | | | CCL-1SSIE (SSIE1) 1.69 CCL | 1.67 | 1.69 | 5.00 |



Dataset: 070822drake.db: field/well/run1/pass3
 Total length: 22.05 ft
 Total weight: 62.00 lb
 O.D.: 2.13 in

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 125936

CONDITIONS

| | |
|--|--|
| Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102 | OGRID: 330132 |
| | Action Number: 125936 |
| | Action Type: [C-103] Sub. Plugging (C-103P) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--------------------------------------|----------------|
| mkuehling | Well plugged 7/12/2022 | 9/23/2022 |
| mkuehling | CBLs need to be submitted separately | 9/23/2022 |